

## A new crambid moth species from the north-eastern part of Turkey (Crambidae: Crambinae)

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**Summary.** *Metaeuchromius yusufeliensis* sp. n., is described from the north-eastern part of Turkey. Figures of the moth, the male and female genitalia and features of the abdomen are presented.

**Zusammenfassung.** *Metaeuchromius yusufeliensis* sp. n., wird aus der nordöstlichen Türkei beschrieben. Abbildungen des Falters, der Genitalien sowie von Merkmalen des Abdomens werden gegeben.

**Résumé.** *Metaeuchromius yusufeliensis* sp. n. est décrite du nord-est de la Turquie. L'adulte, les genitalia mâle et femelle, ainsi que les caractères de l'abdomen sont illustrés.

Key words: Crambidae, *Metaeuchromius*, new species, Turkey.

### *Metaeuchromius yusufeliensis* sp. n.

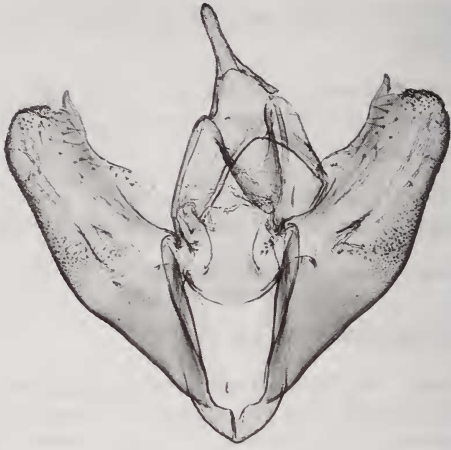
Holotype ♂ with labels: "NE-Turkey Prov. Artvin Kaçkar Mts.: Yusufeli, 40°50'N 41°31'E, 650 m, M. VII.1995, leg. A. Kallies, ad lumen" and "Holotypus ♂ *Metaeuchromius yusufeliensis* sp. n. sel. Nuss & Speidel, 1997". Deposited in Museum für Naturkunde, Berlin (Germany). Paratypes 2 ♂♂, 2 ♀♀, same data, in coll. Nuss and coll. Speidel.

### Description

*Imago* (fig. 1). Forewing length 9–10 mm; ocelli present, chaetosemata prominent; frons rounded; labial palpi long and porrect, slightly curved downwards, tuft-like scaled, three times as long as diameter of eyes; maxillary palpi brush-shaped and upright; antennae half the length of forewings, underside pubescent, upperside scaled. Ground-colour of forewings white, almost entirely covered by black scales. The typical pattern found in the other species of *Metaeuchromius* Bleszynski, 1960 and in the related genera *Euchromius* Guenée, 1845 and *Miyakea* Marumo,



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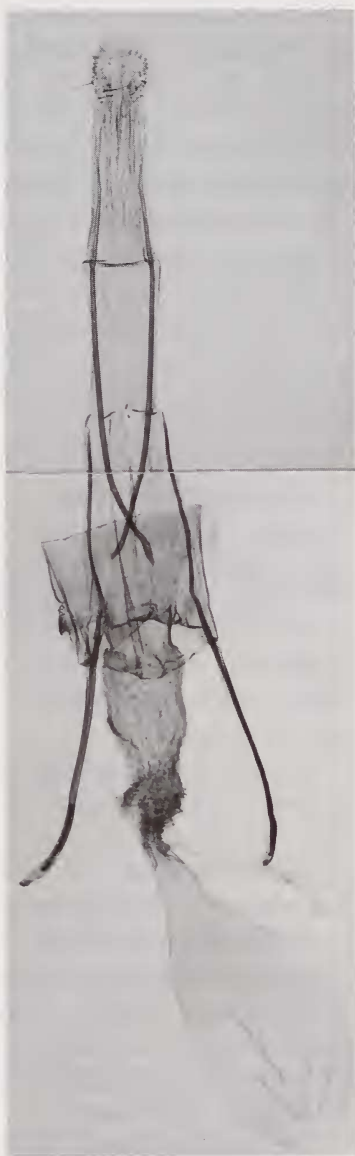
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Figs. 1-5. *Metaeuchromius yusufeliensis* sp. n.: 1 - holotype; 2-3 - ♂ genitalia (GU Nuss 773); 4 - ♂ abdomen, showing tympanal organ and coremata of 3rd abdominal sternite (GU Nuss 773); 5 - ♀ genitalia (GU Nuss 809).

1933 is strongly reduced. Antemedial fascia white, distally edged by ochreous scales in the central part of the wing; discocellular stigma spot-like, black, surrounded by a white ring; postmedial fascia white, sparsely covered by ochreous scales adjacent to the medial area; six ochreous patches at the external side of the postmedial fascia; termen black with six small white spots with the ochreous patches lying in the interspaces; first row of fringes shiny grey, second one chequered creamy white and brown. Male retinaculum with hamus. Hindwings uniformly pale brown, first row of fringes chequered creamy-white and pale-brown.

*Abdomen* (fig. 4). Tympanal organ with praecinctorium, ramus tympani interrupted mid-ventrally, venulae secundae short, processus tympani reduced. Male with coremata inserted cranio-laterally on 3rd abdominal sternite.

*Male genitalia* (figs. 2, 3). Uncus narrow, with single setae. Gnathos strongly sclerotized, clearly broader than uncus, duck-bill shaped, distally with tiny thorns; juxta axe-blade shaped; two swellings in the diaphragma situated laterally to the juxta are covered with five larger and some smaller thorns; vinculum large, v-shaped, with comparatively small saccus; costal margin of valvae with small distal thorn; aedeagus with 4 slender, slightly curved cornuti.

*Female genitalia* (fig. 5). Corpus bursae ovoid, membraneous, without signum; ductus bursae short, wrinkled, posteriorly to the insertion of the ductus seminalis a wrinkled knot, antrum and ostium membraneous without any sclerotisations; ovipositor and apophyses extremely long. Spermatophores globular.

*Differential diagnosis*. Forewings predominantly scaled black with two contrasting white fasciae strongly reminiscent of some Scopariinae. Labial palpi, however, three times as long as diameter of eyes, which is a typical character for most crambines. The species is characterised by its dark coloration.

*Biology*. Unknown.

*Derivatio nominis*. The species is named after its type locality, Yusufeli in Asia minor.

## Relationships

Schouten (1997) revised the crambine genus *Metaeuchromius* Bleszynski, 1960 and substantiated the monophyly of the genus

by the presence of male scent organs situated on the 3rd sternite. This apomorphy is shared by *M. yusufeliensis* sp. n. The species is very similar to *M. circe* Bleszynski, 1965 from East and Central China (cf. Schouten, 1997) according to the structure of the genitalia. *M. yusufeliensis* sp. n. differs in the male genitalia by the roundish, swollen processus basalis and the weakly developed cornuti.

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### Reference

SCHOUTEN, R., 1997. Revision of the genus *Metaeuchromius* Bleszynski (Lepidoptera: Pyralidae: Crambinae). — *Tijdschr. Ent.* **140**: 111–127.